

Amendments to the Specification:

Please amend the paragraph bridging pages 2 to 7 of the instant specification as follows:

Prior arts to the present invention are cited in the following.

- 1) Amagai M, Hashimoto T, Shimizu N, and Nishikawa T: "Absorption of pathogenic autoantibodies by the extracellular domain of pemphigus vulgarisantigen (Dsg3) produced by baculovirus." J Clin Invest ~~J Clin Invest~~ 94:59-67, 1994.
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- 13) Hengge U, Chan EF, Foster RA, Walker PS, and Vogel JC: "Cytokine gene expression in epidermis with biological effects following injection of naked DNA." Nat Genet ~~Nat Genet~~ 10:161-166, 1995.
- 14) Hengge UR, Walker PS, and Vogel JC: "Expression of naked DNA in human, pig, and mouse skin." J Clin Invest 97(12):2911-6~~J Clin Invest in press~~, 1996.
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- 16) Jensen TG, Jensen UB, Jensen PK, Ibsen HH, Brandrup F, Ballabio A, and Bolund L: "Correction of steroid sulphatase deficiency by gene transfer into basal cells of tissue-cultured epidermis from patients with recessive X-linked ichthyosis." Exp Cell Res ~~Exp Cell Res~~ 209:392-397, 1993.
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- 28) Uitto J, and Pulkkinen L: "The genodermatoses: candidate disease for gene therapy." Hum Gene Ther ~~Hum Gene Ther~~ 11:2267-2275, 2000.
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Please amend the paragraph at page 11 of the instant specification regarding Figure 2 as follows:

Fig. 2 is a graph showing the result of ELISA method showing the production of IgG antibody against the transgene product Dsg3 (vertical ~~[[axe]]~~axis: OD level of ELISA method; horizontal ~~[[axe]]~~axis: number of days from the initiation of the treatment).

Please amend the paragraph at page 11 of the instant specification regarding Figure 5 as follows:

Fig. 5 is a graph showing the results of ELISA method, showing the anti-Dsg3 IgG antibody production in Dsg3^{+/+} graft strain. For the hamster-IgG administered group as a control, anti-Dsg3 IgG antibody production was observed in approximately 2 weeks (full line), while the IgG production was significantly suppressed for the MR1-administered group (dotted line). (vertical ~~[[axe]]~~axis: OD level of mouse Dsg3 IgG ELISA; horizontal ~~[[axe]]~~axis: number of days after skin graft).

Please amend the paragraph bridging pages 13 and 14 of the instant invention as follows:

For example, as for the adenoviral vector, it is preferable that ITR (inverted terminal repeat) and envelope repeat are included, and a whole of or a part of E1 adenovirus region is deficient. Moreover, a whole of or a part of E3 adenovirus region can be deficient, however it is preferable that a part of E3 region that encodes ~~glycoprotein~~ glycoprotein gp19k is maintained. Furthermore, as HIV viral vector incorporates the introduced nucleic acid into the chromosome, it can express continuously a drug-gene which is the nucleic acid. Moreover, as

HIV vector is able to transfer genes selectively to CD4-positive T cells, which are molecules on the surface of cells, and also to integrate to chromosomes even during resting stage when cells are not dividing. Thus, for example, by using pseudotype HIV viral vector wherein Env protein being a HIV coat protein was substituted for VSV-G protein, which is a coat protein of Vesicular stomatitis virus, it would be possible to introduce drug-genes effectively to any type of cells in resting stage, such as bone marrow stem cells, hematopoietic stem cells, neuron and muscle cells.